

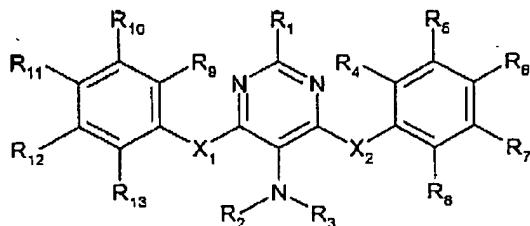
33596-US-PCT  
Page 2LISTING OF CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

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AUG 29 2008

Claim 1. (Withdrawn) A method of controlling ectoparasites on a mammal comprising administering to said mammal a compound of formula I



I.

wherein

R<sub>1</sub> is hydrogen, halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, NR<sub>2</sub>R<sub>3</sub>, unsubstituted or one- to five-fold substituted aryl or unsubstituted or substituted hetaryl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, and NR<sub>2</sub>R<sub>3</sub>;

$R_2$  and  $R_3$ , independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl, di-C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl or unsubstituted or one- to five-fold substituted benzyl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl;

$R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$ ,  $R_{10}$ ,  $R_{11}$ ,  $R_{12}$  and  $R_{13}$ , independently of one another, are hydrogen, halogen, cyano, nitro, OH, SH,  $NO_2$ , COOH,  $COOR_2$ ,  $CONH_2$ ,  $CONR_2R_3$ ,  $SO_3H$ ,  $SO_2NR_2R_3$ ,  $C_1$ - $C_6$ -alkyl, halo- $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy, halo- $C_1$ - $C_6$ -alkoxy,  $C_2$ - $C_6$ -alkenyl, halo- $C_2$ - $C_6$ -alkenyl,  $C_2$ - $C_6$ -alkinyl,  $C_3$ - $C_6$ -cycloalkyl,  $C_2$ - $C_6$ -alkenyloxy, halo- $C_2$ - $C_6$ -alkenyloxy,  $C_1$ - $C_6$ -alkylthio, halo- $C_1$ - $C_6$ -alkylthio,  $C_1$ - $C_6$ -alkylsulfonyloxy, halo- $C_1$ - $C_6$ -alkylsulfonyloxy,  $C_1$ - $C_6$ -alkylsulfinyl, halo- $C_1$ - $C_6$ -alkylsulfinyl,  $C_1$ - $C_6$ -alkylsulfonyl, halo- $C_1$ - $C_6$ -alkylsulfonyl,  $C_2$ - $C_6$ -alkenylthio, halo- $C_2$ - $C_6$ -alkenylthio,  $C_2$ - $C_6$ -alkenylsulfinyl, halo- $C_2$ - $C_6$ -alkenylsulfinyl,  $C_2$ - $C_6$ -alkenylsulfonyl, halo- $C_2$ - $C_6$ -alkenylsulfonyl,  $C_1$ - $C_6$ -alkylamino, di- $C_1$ - $C_6$ -alkylamino,  $C_1$ - $C_6$ -alkylsulfonylamino, halo- $C_1$ - $C_6$ -alkylsulfonylamino,  $C_1$ - $C_6$ -alkylcarbonyl, halo- $C_1$ - $C_6$ -alkylcarbonyl,  $C_1$ - $C_6$ -alkoxycarbonyl,  $C_1$ - $C_6$ -alkylaminocarbonyl, di- $C_1$ - $C_6$ -alkylaminocarbonyl, or unsubstituted or one- to five-fold substituted aryl or unsubstituted or substituted hetaryl, the substituents selected from the group consisting of halogen, cyano, OH, SH,  $NO_2$ , COOH,  $COOR_2$ ,  $CONH_2$ ,  $CONR_2R_3$ ,  $SO_3H$ ,  $SO_2NR_2R_3$ ,  $C_1$ - $C_6$ -alkyl, halo- $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy, halo- $C_1$ - $C_6$ -alkoxy,  $C_2$ - $C_6$ -alkenyl, halo- $C_2$ - $C_6$ -alkenyl,  $C_2$ - $C_6$ -alkinyl,  $C_3$ - $C_6$ -cycloalkyl, halo- $C_3$ - $C_6$ -cycloalkyl,  $C_3$ - $C_6$ -cycloalkyloxy,  $C_3$ - $C_6$ -cycloalkylthio,  $C_2$ - $C_6$ -alkenyloxy, halo- $C_2$ - $C_6$ -alkenyloxy,  $C_1$ - $C_6$ -alkylthio, halo- $C_1$ - $C_6$ -alkylthio,  $C_1$ - $C_6$ -alkylsulfonyloxy, halo- $C_1$ - $C_6$ -alkylsulfonyloxy,  $C_1$ - $C_6$ -alkylsulfinyl, halo- $C_1$ - $C_6$ -alkylsulfinyl,  $C_1$ - $C_6$ -alkylsulfonyl, halo- $C_1$ - $C_6$ -alkylsulfonyl,

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alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and NR<sub>2</sub>R<sub>3</sub>; X<sub>1</sub> and X<sub>2</sub>, independently of one another, are C(R<sub>14</sub>)(R<sub>15</sub>), NR<sub>14</sub>, O, S, SO or SO<sub>2</sub>; and R<sub>14</sub> and R<sub>15</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl or halo-C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl.

Claim 2. (Withdrawn) The method of claim 1, wherein

R<sub>1</sub> is hydrogen, halogen, NO<sub>2</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylthio or halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio.

Claim 3. (Withdrawn) The method of claim 1, wherein

R<sub>1</sub> is hydrogen, halogen, NO<sub>2</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy or halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy.

Claim 4. (Withdrawn) The method of claim 1, wherein

R<sub>1</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>1</sub>-C<sub>6</sub>-alkoxy.

Claim 5. (Withdrawn) The method of claim 1, wherein

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl, di-C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl or unsubstituted or one- to five-fold substituted benzyl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl.

Claim 6. (Withdrawn) The method of claim 1, wherein

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl or benzyl.

Claim 7. (Withdrawn) The method of claim 1, wherein

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>2</sub>-alkyl, benzyl or formyl.

Claim 8. (Withdrawn) The method of claim 1, wherein

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, cyano, nitro, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio or unsubstituted or one to five-fold substituted aryl or unsubstituted or substituted hetaryl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and NR<sub>2</sub>R<sub>3</sub>.

Claim 9. (Withdrawn) The method of claim 1, wherein

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, nitro, C<sub>1</sub>-C<sub>4</sub>-alkyl, halo-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy or halo-C<sub>1</sub>-C<sub>4</sub>-alkoxy.

Claim 10. (Withdrawn) The method of claim 1, wherein

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, nitro, C<sub>1</sub>-C<sub>2</sub>-alkyl or halo-C<sub>1</sub>-C<sub>2</sub>-alkyl.

Claim 11. (Withdrawn) The method of claim 1, wherein R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, nitro or CF<sub>3</sub>.

Claim 12. (Withdrawn) The method of claim 1, wherein X<sub>1</sub> and X<sub>2</sub>, independently of one another, are NR<sub>14</sub>, O or S.

Claim 13. (Withdrawn) The method of claim 1, wherein X<sub>1</sub> and X<sub>2</sub>, independently of one another, are NH, O or S.

Claim 14. (Withdrawn) The method of claim 1, wherein X<sub>1</sub> and X<sub>2</sub> are O.

Claim 15. (Withdrawn) The method of claim 1, wherein R<sub>14</sub> and R<sub>15</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl.

Claim 16. (Withdrawn) The method of claim 1, wherein R<sub>14</sub> and R<sub>15</sub>, independently of one another, signify hydrogen or C<sub>1</sub>-C<sub>4</sub>-alkyl.

Claim 17. (Withdrawn) The method of claim 1, wherein R<sub>14</sub> and R<sub>15</sub> signify hydrogen.

Claim 18. (Withdrawn) The method of claim 1, wherein R<sub>1</sub> is hydrogen, halogen, NO<sub>2</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylthio or halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio;

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl, di-C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl or benzyl;

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, cyano, nitro, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio or unsubstituted or one- to five-fold substituted aryl or unsubstituted or substituted hetaryl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SC<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and NR<sub>2</sub>R<sub>3</sub>;

X<sub>1</sub> and X<sub>2</sub>, independently of one another, are NR<sub>14</sub>, O or S; and

R<sub>14</sub> signifies hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl.

**Claim 19. (Withdrawn)** The method of claim 1, wherein

R<sub>1</sub> is hydrogen, halogen, NO<sub>2</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy or halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy;

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl or benzyl;

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen,

halogen, nitro, C<sub>1</sub>-C<sub>4</sub>-alkyl, halo-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy or halo-C<sub>1</sub>-C<sub>4</sub>-alkoxy; and

X<sub>1</sub> and X<sub>2</sub>, independently of one another, are NH, O or S.

**Claim 20. (Withdrawn)** The method of claim 1, wherein

R<sub>1</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>1</sub>-C<sub>6</sub>-alkoxy;

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>2</sub>-alkyl, formyl or benzyl;

$R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$ ,  $R_{10}$ ,  $R_{11}$ ,  $R_{12}$  and  $R_{13}$ , independently of one another, are hydrogen, halogen, nitro,  $C_1$ - $C_2$ -alkyl or halo- $C_1$ - $C_2$ -alkyl; and  $X_1$  and  $X_2$  are O.

Claim 21. (Withdrawn) The method of claim 1, wherein

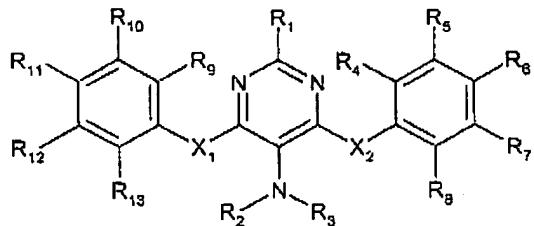
$R_1$  is hydrogen,  $C_1$ - $C_6$ -alkyl or  $C_1$ - $C_6$ -alkoxy;

$R_2$  and  $R_3$ , independently of one another, signify hydrogen,  $C_1$ - $C_2$ -alkyl, formyl or benzyl;

$R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$ ,  $R_8$ ,  $R_9$ ,  $R_{10}$ ,  $R_{11}$ ,  $R_{12}$  and  $R_{13}$ , independently of one another, are hydrogen, halogen, nitro or  $CF_3$ ; and

$X_1$  and  $X_2$  are O.

Claim 22. (Previously presented) An ectoparasiticidal composition comprising a compound of formula I



wherein

$R_1$  is hydrogen, halogen, cyano, OH, SH,  $NO_2$ , COOH,  $COOR_2$ ,  $CONH_2$ ,  $CONR_2R_3$ ,  $SO_3H$ ,  $SO_2NR_2R_3$ ,  $C_1$ - $C_6$ -alkyl, halo- $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy, halo- $C_1$ - $C_6$ -alkoxy,  $C_2$ - $C_6$ -alkenyl, halo- $C_2$ - $C_6$ -alkenyl,  $C_2$ - $C_6$ -alkinyl,  $C_3$ - $C_6$ -cycloalkyl, halo- $C_3$ - $C_6$ -cycloalkyl,  $C_3$ - $C_6$ -cycloalkyloxy,  $C_3$ - $C_6$ -cycloalkylthio,  $C_2$ - $C_6$ -alkenyloxy, halo- $C_2$ - $C_6$ -alkenyloxy,  $C_1$ - $C_6$ -alkylthio, halo- $C_1$ - $C_6$ -alkylthio,  $C_1$ - $C_6$ -alkylsulfonyloxy, halo- $C_1$ - $C_6$ -alkylsulfonyloxy,  $C_1$ - $C_6$ -alkylsulfinyl, halo- $C_1$ - $C_6$ -alkylsulfinyl,  $C_1$ - $C_6$ -alkylsulfonyl, halo- $C_1$ - $C_6$ -alkylsulfonyl,  $C_2$ - $C_6$ -alkenylthio, halo- $C_2$ - $C_6$ -alkenylthio,  $C_2$ - $C_6$ -alkenylsulfinyl, halo- $C_2$ - $C_6$ -alkenylsulfinyl,  $C_2$ - $C_6$ -alkenylsulfonyl, halo- $C_2$ - $C_6$ -alkenylsulfonyl,  $NR_2R_3$ , unsubstituted or one- to five-fold substituted aryl or unsubstituted or substituted hetaryl, the substituents selected from the group consisting of halogen, cyano, OH, SH,  $NO_2$ , COOH,  $COOR_2$ ,  $CONH_2$ ,  $CONR_2R_3$ ,  $SO_3H$ ,  $SO_2NR_2R_3$ ,  $C_1$ - $C_6$ -alkyl, halo- $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy, halo- $C_1$ - $C_6$ -alkoxy,  $C_2$ - $C_6$ -alkenyl, halo- $C_2$ - $C_6$ -alkenyl,  $C_2$ - $C_6$ -alkinyl,  $C_3$ -

C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and NR<sub>2</sub>R<sub>3</sub>;

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl, di-C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl or unsubstituted or one- to five-fold substituted benzyl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl;

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, cyano, nitro, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, C<sub>1</sub>-C<sub>6</sub>-alkylamino, di-C<sub>1</sub>-C<sub>6</sub>-alkylamino, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl, di-C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl, or unsubstituted or one- to five-fold substituted aryl or unsubstituted or substituted hetaryl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH,

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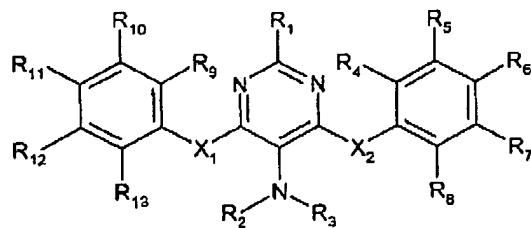
COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SO<sub>3</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and NR<sub>2</sub>R<sub>3</sub>; X<sub>1</sub> and X<sub>2</sub>, independently of one another, are C(R<sub>14</sub>)(R<sub>15</sub>), NR<sub>14</sub>, O, S, SO or SO<sub>2</sub>; and R<sub>14</sub> and R<sub>15</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl or halo-C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl; and at least one of a physiologically acceptable carrier or dispersant.

**Claim 23.** (Previously presented) The ectoparasiticidal composition according to claim 22 wherein said composition is in a pour-on or spot-on formulation.

**Claim 24.** (Withdrawn) A method of controlling ectoparasites comprising administering an effective amount of at least one compound of formula I according to claim 1 to the habitat of the parasites.

**Claims 25-26.** (Cancelled)

**Claim 27.** (Previously presented) An ectoparasiticidal composition comprising a compound of formula I



I

wherein R<sub>1</sub> is hydrogen, halogen, NO<sub>2</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylthio or halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio;

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl, C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl, di-C<sub>1</sub>-C<sub>6</sub>-alkylaminocarbonyl or benzyl;

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, cyano, nitro, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio or unsubstituted or one- to five-fold substituted aryl or unsubstituted or substituted hetaryl, the substituents selected from the group consisting of halogen, cyano, OH, SH, NO<sub>2</sub>, COOH, COOR<sub>2</sub>, CONH<sub>2</sub>, CONR<sub>2</sub>R<sub>3</sub>, SC<sub>1</sub>H, SO<sub>2</sub>NR<sub>2</sub>R<sub>3</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>2</sub>-C<sub>6</sub>-alkenyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkinyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, halo-C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyloxy, C<sub>3</sub>-C<sub>6</sub>-cycloalkylthio, C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, halo-C<sub>2</sub>-C<sub>6</sub>-alkenyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, halo-C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyloxy, C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl, C<sub>2</sub>-C<sub>6</sub>-alkenylthio, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylthio, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfinyl, C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl, halo-C<sub>2</sub>-C<sub>6</sub>-alkenylsulfonyl and NR<sub>2</sub>R<sub>3</sub>;

X<sub>1</sub> and X<sub>2</sub>, independently of one another, are NR<sub>14</sub>, O or S;

R<sub>14</sub> signifies hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl; and at least one of a physiologically acceptable carrier or dispersant.

Claim 28. (Previously presented) The composition of claim 27, wherein

R<sub>1</sub> is hydrogen, halogen, NO<sub>2</sub>, C<sub>1</sub>-C<sub>6</sub>-alkyl, halo-C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy or halo-C<sub>1</sub>-C<sub>6</sub>-alkoxy;

R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>4</sub>-alkyl, formyl, C<sub>1</sub>-C<sub>4</sub>-alkylcarbonyl or benzyl;

R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen, halogen, nitro, C<sub>1</sub>-C<sub>4</sub>-alkyl, halo-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy or halo-C<sub>1</sub>-C<sub>4</sub>-alkoxy; and X<sub>1</sub> and X<sub>2</sub>, independently of one another, are NH, O or S.

Claim 29. (Previously presented) The composition of claim 27, wherein  
R<sub>1</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>1</sub>-C<sub>6</sub>-alkoxy;  
R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>2</sub>-alkyl, formyl or benzyl;  
R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen,  
halogen, nitro, C<sub>1</sub>-C<sub>2</sub>-alkyl or halo-C<sub>1</sub>-C<sub>2</sub>-alkyl; and  
X<sub>1</sub> and X<sub>2</sub> are O.

Claim 30. (Previously presented) The composition of claim 27, wherein  
R<sub>1</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>1</sub>-C<sub>6</sub>-alkoxy;  
R<sub>2</sub> and R<sub>3</sub>, independently of one another, signify hydrogen, C<sub>1</sub>-C<sub>2</sub>-alkyl, formyl or benzyl;  
R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub>, independently of one another, are hydrogen,  
halogen, nitro or CF<sub>3</sub>; and  
X<sub>1</sub> and X<sub>2</sub> are O.

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